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Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1 - 8 (canceled)

9. (previously presented) An analysis and/or measuring device comprising means for extracting, in the gaseous form, hydrocarbons contained in a liquid drilling fluid after drilling in a reservoir rock, means for transporting said extracted gases, and means intended for analysis and measurement on these extracted gases, characterized in that said transport means include a tubular line comprising an inner tube which limits retention of trace hydrocarbons made from at least one plastic selected from the group consisting of PTFE (polytetrafluoroethylene), FEP (tetrafluoroethene-perfluoroprene copolymer), PVDF (polyvinylidene fluoride), ETFE (tetrafluoroethylene-ethylene copolymer), ETFCE (ethylene-trifluorochlorethylene copolymer), PCTFE (polychlorotrifluoroethylene), FPA (perfluoroalkoxyalkane), hexafluoropropylene/vinylidene fluoride copolymers, hexafluoropropylene/vinylidene fluoride/tetrafluoropropylene THV terpolymers, tetrafluoroethylene/hexafluoropropylene/treated vinylidene fluoride, PEEK (polyetherether ketone), PEKK, PAEK, PEK, and aliphatic polyketones.

10. (previously presented) A device as claimed in claim 9, wherein said inner tube is externally protected by at least one other sheath.